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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=8; day=14; hr=17; min=59; sec=56; ms=479; ]

\_\_\_\_\_\_

\*\*\*\*\*\*\*\*\*\*\*\*\*

Reviewer Comments:

<120> DNA Dependent Protein Kinase Catalytic Subunit Phosphorylation Sites and Antibodies Thereto

The above <120> response exceeds the Sequence Rules' required 72-character line limit. Please adjust the line.

(end of Sequence 28)
<400> 28

gccctgggag gcctggtcct ccacaaacat cgga

1

Please remove the "1" above, which appears at the end of the submitted file.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

34

## Validated By CRFValidator v 1.0.3

Application No: 10511561 Version No: 2.0

Input Set:

Output Set:

**Started:** 2008-07-15 10:09:22.243 **Finished:** 2008-07-15 10:09:29.298

**Elapsed:** 0 hr(s) 0 min(s) 7 sec(s) 55 ms

Total Warnings: 26

Total Errors: 31

No. of SeqIDs Defined: 28

Actual SeqID Count: 28

Err	or code	Error Description
W	213	Artificial or Unknown found in <213> in SEQ ID (1)
E	257	Invalid sequence data feature in <221> in SEQ ID (1)
E	224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (1)
W	213	Artificial or Unknown found in <213> in SEQ ID (2)
Ε	257	Invalid sequence data feature in <221> in SEQ ID (2)
E	224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (2)
W	213	Artificial or Unknown found in <213> in SEQ ID (4)
E	257	Invalid sequence data feature in <221> in SEQ ID (4)
Е	224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (4)
W	213	Artificial or Unknown found in <213> in SEQ ID (5)
E	257	Invalid sequence data feature in <221> in SEQ ID (5)
Е	224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (5)
W	213	Artificial or Unknown found in <213> in SEQ ID (6)
E	257	Invalid sequence data feature in <221> in SEQ ID (6)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (6)
W	213	Artificial or Unknown found in <213> in SEQ ID (7)
E	257	Invalid sequence data feature in <221> in SEQ ID (7)

## Input Set:

# Output Set:

**Started:** 2008-07-15 10:09:22.243

Finished: 2008-07-15 10:09:29.298

**Elapsed:** 0 hr(s) 0 min(s) 7 sec(s) 55 ms

Total Warnings: 26
Total Errors: 31
No. of SeqIDs Defined: 28

Actual SeqID Count: 28

Error coo	e Error Description
E 224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 257	Invalid sequence data feature in <221> in SEQ ID (8)
E 257	Invalid sequence data feature in <221> in SEQ ID (8)
E 224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (8)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 257	Invalid sequence data feature in <221> in SEQ ID (9)
E 224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
E 257	Invalid sequence data feature in <221> in SEQ ID (10)
E 224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
E 257	Invalid sequence data feature in <221> in SEQ ID (11)
E 224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
E 257	Invalid sequence data feature in <221> in SEQ ID (12)
E 224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (12)

## Input Set:

# Output Set:

**Started:** 2008-07-15 10:09:22.243 **Finished:** 2008-07-15 10:09:29.298

**Elapsed:** 0 hr(s) 0 min(s) 7 sec(s) 55 ms

Total Warnings: 26
Total Errors: 31
No. of SeqIDs Defined: 28

Actual SeqID Count: 28

Error code		Error Description
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E	257	Invalid sequence data feature in <221> in SEQ ID (14)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (14)
W	213	Artificial or Unknown found in <213> in SEQ ID (16)
W	213	Artificial or Unknown found in <213> in SEQ ID (17)
W	213	Artificial or Unknown found in <213> in SEQ ID (18)
W	213	Artificial or Unknown found in <213> in SEQ ID (19)
W	213	Artificial or Unknown found in <213> in SEQ ID (20)
W	213	Artificial or Unknown found in <213> in SEQ ID (21)
W	213	Artificial or Unknown found in <213> in SEQ ID (22) This error has occured more than 20 times, will not be displayed
E	355	Empty lines found between the amino acid numbering and the
E	321	No. of Bases conflict, this line has no nucleotides SEQID (28)

### SEQUENCE LISTING

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<110> Chan, Doug W
 Chen, Ping-Chi B
 Chen, David J
<120> DNA Dependent Protein Kinase Catalytic Subunit Phosphorylation Sites and Antibodies
Thereto
<130> IB-1807 PCT
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<141> 2008-07-15
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Gly Gln Lys Ile Ala Pro Tyr Ser Val Glu Ile Lys Asn Thr Cys Thr
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  130
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145 150 155 160

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Leu	Leu	Gly	Leu 180	Leu	Gly	Glu	Val	His 185	Pro	Ser	Glu	Met	Ile 190	Asn	Asn
Ala	Glu	Asn 195	Leu	Phe	Arg	Ala	Phe 200	Leu	Gly	Glu	Leu	Lys 205	Thr	Gln	Met
Thr	Ser 210	Ala	Val	Arg	Glu	Pro 215	Lys	Leu	Pro	Val	Leu 220	Ala	Gly	Суз	Leu
Lys 225	Gly	Leu	Ser	Ser	Leu 230	Leu	Cys	Asn	Phe	Thr 235	Lys	Ser	Met	Glu	Glu 240
Asp	Pro	Gln	Thr	Ser 245	Arg	Glu	Ile	Phe	Asn 250	Phe	Val	Leu	Lys	Ala 255	Ile
Arg	Pro	Gln	Ile 260	Asp	Leu	Lys	Arg	Tyr 265	Ala	Val	Pro	Ser	Ala 270	Gly	Leu
Arg	Leu	Phe 275	Ala	Leu	His	Ala	Ser 280	Gln	Phe	Ser	Thr	Cys 285	Leu	Leu	Asp
Asn	Tyr 290	Val	Ser	Leu	Phe	Glu 295	Val	Leu	Leu	Lys	Trp 300	Cys	Ala	His	Thr
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Lys	Gln	Val	Ser	Asn 325	Met	Val	Ala	Lys	Asn 330	Ala	Glu	Met	His	Lys 335	Asn
Lys	Leu	Gln	Tyr 340	Phe	Met	Glu	Gln	Phe 345	Tyr	Gly	Ile	Ile	Arg 350	Asn	Val
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Phe	Ala 370	Gly	Pro	CÀR	Lys	Val 375	Ile	Asn	Ala	Lys	Asp 380	Val	Asp	Phe	Met

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Asp T	hr	Gly	Asp	Tyr 405	Arg	Val	Tyr	Gln	Met 410	Pro	Ser	Phe	Leu	Gln 415	Ser
Val A	Ala	Ser	Val 420	Leu	Leu	Tyr	Leu	Asp 425	Thr	Val	Pro	Glu	Val 430	Tyr	Thr
Pro V	/al	Leu 435	Glu	His	Leu	Val	Val 440	Met	Gln	Ile	Asp	Ser 445	Phe	Pro	Gln
Tyr S	Ser 150	Pro	Lys	Met	Gln	Leu 455	Val	Суз	Суз	Arg	Ala 460	Ile	Val	Lys	Val
Phe I	Leu	Ala	Leu	Ala	Ala 470	ГÀЗ	Gly	Pro	Val	Leu 475	Arg	Asn	Суз	Ile	Ser 480
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Glu I	Lys	Leu	Asp 580	Leu	Thr	Leu	Glu	Ile 585	Gln	Thr	Val	Gly	Glu 590	Gln	Glu
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610 615 620

Asn Leu Val Glu Phe Cys Arg Glu Ile Leu Pro Glu Lys Gln Ala Glu 625 630 635 640 Phe Phe Glu Pro Trp Val Tyr Ser Phe Ser Tyr Glu Leu Ile Leu Gln 650 Ser Thr Arg Leu Pro Leu Ile Ser Gly Phe Tyr Lys Leu Leu Ser Ile 660 665 670 Thr Val Arg Asn Ala Lys Lys Ile Lys Tyr Phe Glu Gly Val Ser Pro 675 680 685 Lys Ser Leu Lys His Ser Pro Glu Asp Pro Glu Lys Tyr Ser Cys Phe 690 695 700 Ala Leu Phe Val Lys Phe Gly Lys Glu Val Ala Val Lys Met Lys Gln 705 710 715 Tyr Lys Asp Glu Leu Leu Ala Ser Cys Leu Thr Phe Leu Leu Ser Leu 725 730 735 Pro His Asn Ile Ile Glu Leu Asp Val Arg Ala Tyr Val Pro Ala Leu 740 745 Gln Met Ala Phe Lys Leu Gly Leu Ser Tyr Thr Pro Leu Ala Glu Val 755 760 765 Gly Leu Asn Ala Leu Glu Glu Trp Ser Ile Tyr Ile Asp Arg His Val 770 775 780 Met Gln Pro Tyr Tyr Lys Asp Ile Leu Pro Cys Leu Asp Gly Tyr Leu 785 790 795 800 Lys Thr Ser Ala Leu Ser Asp Glu Thr Lys Asn Asn Trp Glu Val Ser 805 810 815 Ala Leu Ser Arg Ala Ala Gln Lys Gly Phe Asn Lys Val Val Leu Lys 825 830 820

His Leu Lys Lys Thr Lys Asn Leu Ser Ser Asn Glu Ala Ile Ser Leu

845

840

835

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Gln Ile Asn Lys Asn Leu Leu Thr Val Thr Ser Ser Asp Glu Met Met 865 870 875 880
Lys Ser Tyr Val Ala Trp Asp Arg Glu Lys Arg Leu Ser Phe Ala Val 885 890 895
Pro Phe Arg Glu Met Lys Pro Val Ile Phe Leu Asp Val Phe Leu Pro 900 905 910
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Ala Ala Cys Glu Leu Leu His Ser Met Val Met Phe Met Leu Gly Lys 930 935 940
Ala Thr Gln Met Pro Glu Gly Gly Gln Gly Ala Pro Pro Met Tyr Gln 945 950 955 960
Leu Tyr Lys Arg Thr Phe Pro Val Leu Leu Arg Leu Ala Cys Asp Val 965 970 975
Asp Gln Val Thr Arg Gln Leu Tyr Glu Pro Leu Val Met Gln Leu Ile 980 985 990
His Trp Phe Thr Asn Asn Lys Lys Phe Glu Ser Gln Asp Thr Val Ser 995 1000 1005
Leu Leu Glu Ala Ile Leu Asp Gly Ile Val Asp Pro Val Asp Ser 1010 1015 1020
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His	Arg 1460	Ala	Gly	Leu	Leu	His 1465	Asn	Ile	Leu	Pro	Ser 1470	Gln	Ser	Thr
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1490 1495 1500

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Asn Glu Leu Thr Ly